

Aaron Guckian
Chairman

Janine L. Burke
Executive Director



Scott Avedisian
Mayor

Warwick Sewer Authority
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BOARD MEETING MINUTES

Thursday, March 26, 2015, 5:30 p.m.
Warwick Sewer Authority Conference Room
125 Arthur W. Devine Boulevard
Warwick, RI 02886

Board Members present:	Guests:
Aaron Guckian, Chairman	Councilman and Mrs. Ed Ladouceur
Gary Jarvis, Secretary	Todd Ravenelle, P.E., GRA, Inc.
Peter Ginaitt	Bill Powers, P.E., Brown & Caldwell
Steve Sylven, P.E.	Charles Gore, P.E., Brown & Caldwell
Gary P. Marino	
Staff present:	
Janine L. Burke, Executive Director	John Revens, Revens, Revens & St. Pierre
Patrick Doyle, Superintendent	Lynn F. Owens, Administrative Coordinator

- 1. Call to Order** At 5:32 p.m. Chairman Guckian called the meeting to order.
- 2. Pledge of Allegiance** Those in attendance rose to salute the flag and state the Pledge of Allegiance.

Chairman Guckian welcomed Councilman Ladoucuer and thanked him for attending the meeting.

3. Approval of Minutes

- a.** Approval of minutes from the regular meeting held February 26, 2015.

ACTION: Mr. Sylven moved approval of the minutes as submitted. Mr. Jarvis seconded the motion. Chairman Guckian, Messrs. Sylven, Jarvis and Marino voted in favor of the motion. Mr. Ginaitt unavailable for vote. Motion approved.

4. Operation and Maintenance Division

Superintendent Doyle reported that work on the facility's lakeside unit will start up tomorrow.

- a. Cedar Swamp pumping station heat exchanger replacement**
Fluid Transfer Products, Inc.: \$17,350.00

ACTION: Mr. Jarvis moved approval of the purchase. Mr. Sylven seconded the motion. Chairman Guckian, Messrs. Sylven, Jarvis and Marino voted in favor of the motion. Mr. Ginaitt unavailable for vote. Motion approved.

- b. Oakland Beach pumping station emergency generator replacement**
 - i. Purchase of generator**
Milton Cat, Inc.: \$53,545.00

ACTION: Mr. Sylven stated he understood the need and the benefit, and moved to approve the purchase. Mr. Jarvis seconded the motion. Chairman Guckian, Messrs. Sylven, Jarvis and Marino voted in favor of the motion. Mr. Ginaitt unavailable for vote. Motion approved.

- ii. Installation of generator**
Milton Cat, Inc.: \$18,590.00

ACTION: Superintendent Doyle explained that, in order to maintain the warranty on the equipment, a factory authorized representative must disassemble the generator to get it into the pumping station enclosure, and then re-assemble the parts inside the station.

Mr. Marino moved approval of the generator installation. Mr. Sylven seconded the motion. Chairman Guckian, Messrs. Sylven, Jarvis and Marino voted in favor of the motion. Mr. Ginaitt unavailable for vote. Motion approved.

- c. Warwick Avenue pumping station emergency generator replacement**
Milton Cat, Inc.: \$32,415.00

ACTION: Superintendent Doyle explained the improvements being made at the Warwick Avenue pumping station. Mr. Marino moved approval of this purchase. Mr. Jarvis seconded the motion. Chairman Guckian, Messrs. Sylven, Jarvis and Marino voted in favor of the motion. Mr. Ginaitt unavailable for vote. Motion approved.

- d. Altieri Way pumping station pump replacement**
Mechanical Solutions, Inc.: \$7,899.00

ACTION: Superintendent Doyle stated both pumps at this station have reached their useful life. He stated he understands that this station was built by a private developer, who installed used pumps initially.

Mr. Sylven moved approval of the purchase. Mr. Marino seconded the motion. Chairman Guckian, Messrs. Sylven, Jarvis and Marino voted in favor of the motion. Mr. Ginaitt unavailable for vote. Motion approved.

5. AWT-Phosphorus & Flood Control Project, Contract No. 91

a. AECOM to submit progress report and updated schedule

DISCUSSION: Director Burke stated it was not necessary for AECOM representatives to attend tonight's meeting. The following progress report was submitted by AECOM:

CONTRACT 91: PHOSPHORUS REMOVAL UPGRADE / FLOOD CONTROL AND MITIGATION FEBRUARY/MARCH 2015 PROGRESS REPORT March 17, 2015

This Progress Report summarizes activity between February 14, 2015 and March 13, 2015 on Contract 91: Phosphorus Removal Upgrade/Flood Control & Mitigation Project, and provides a four week look ahead.

Construction Progress

- ☐ Overall, the project is approximately 35% complete. No significant progress due to winter conditions;
- ☐ Continued to provide construction administration services such as reviewing and processing RFIs, shop drawings, change order proposals and contractor applications for payment; and field observation and specialty staff site visits for Building Code compliance;
- ☐ Held ninth progress meeting on March 10th with Hart and WSA;
- ☐ Phosphorus Building Work:
 - o Completed reinforcing and most of formwork for elevated slabs; approximately 50% complete with embedded conduits;
- ☐ Levee Work:
 - o No progress this month.

Four Week Look Ahead-Phosphorus Building and Other Work

- ☐ Weather permitting, complete upper slab concrete; test tanks for water tightness;
- ☐ North Sludge Building: continue electrical conduit from Phosphorus Building;
- ☐ BNR Tanks: continue removal and replacement of existing mixers and control panels;
- ☐ Inlet, Septage and Grit Facility: continue removal and installation of screen;
- ☐ Next progress meeting scheduled for April 3rd.

Four Week Look Ahead-Levee

- ☐ Work on hold until weather conditions improve.

b. Change Order No. 8: Junction chamber relocation -\$35,332.07 (credit)

ACTION: Director Burke stated she reviewed all backup information related to this change order credit. Director Burke and Mr. Sylven commented that this change was discussed during the design review phase. AECOM is reporting that the credit is reasonable.

Mr. Jarvis moved to accept this change order. Mr. Sylven seconded the motion. Chairman Guckian, Messrs. Sylven, Jarvis and Marino voted in favor of the motion. Mr. Ginaitt unavailable for vote. Motion approved.

6. Collection System Division

- a. Emergency Repair of leaking 16-inch cast iron pipe located under the East Avenue bridge over Interstate 295**

ACTION: Emergency Purchase Approved 3/12/2015.
Formal Board action required.

Director Burke stated Mayor Avedisian approved the emergency repair work, but all invoices are not yet in to WSA. Formal Board approval must be put off to the April meeting.

Mr. Jarvis asked about the final repair of the line. Director Burke stated Mr. Solitro fabricated a solution in the field. She said Mr. Solitro reported that the rest of the line looks good. Mr. Jarvis stated kudos to Mr. Solitro for coming up with a cost-saving fix.

- b. Contract 93: Repair of Main Influent pipeline under Interstate 95
Brown & Caldwell: Project status report, 90% Plan Review**

DISCUSSION: Mr. Bill Powers and Mr. Charles Gore in attendance to discuss Brown & Caldwell's 90% plans for the rehabilitation of the influent pipeline under Interstate 95. Mr. Gore passed out a project status report and copies of the 90% plans. Director Burke had included in the meeting agenda packets a cost estimate for the work (\$770,000.00).

A detailed discussion ensued between Brown & Caldwell engineers, WSA staff and Board members regarding the scope of the repair project. Mr. Gore reported that they are also working on the specifications for bid advertisement.

Mr. Powers explained the rehab technology is to insert a new carrier pipe within the existing host pipe, pushing a new cementitious reinforced fiberglass pipe into the existing 48-inch pipe. He stated once the 42-inch pipe is pushed in place there is a grouting procedure to secure the new pipe in place.

Director Burke stated Brown & Caldwell's engineers are looking for some direction in terms of grouting options, which will have a big impact on the cost estimate for this project. Mr. Powers discussed sedimentitious grout and an alternative cellular foam grout (specialized product, highly variable cost). He explained some of the pros and cons to each type of grout.

Mr. Powers stated the variables of this project include the contractor's means and methods, the "risk appetite" of the contractor, and the expertise of the contractor. Board members suggested Brown and Caldwell talk to contractors that have done this type of work in the past. Mr. Powers discussed bidding options and project scheduling. Director Burke stated she wanted the Board's input on the project options.

Mr. Sylven asked about the lay down area at the facility and the different contractors that will be on site at the plant. Director Burke stated there will be a coordination of effort on mobilization at the site; staging areas will be marked out. Director Burke stated funding options must be pursued. She stated she will finalize her comments on the bid specifications and submit to Brown & Caldwell, who will finalize the plans based on submitted comments. Chairman Guckian thanked Mr. Powers and Mr. Gore for attending the meeting.

Mr. Revens left the meeting at 6:10 p.m.

7. Construction Division

a. Bayside Sewer Project

i. Engineer (GRA, Inc.) and archaeologist (PAL) project update

DISCUSSION: Todd Ravenelle, P.E. and Joe Giordano, P.E. of GRA, Inc. in attendance to give an audio-visual presentation on the Bayside sewer project. Mr. Ravenelle explained that Alan Leveillee of Public Archaeological Laboratories (PAL) was not available to attend the meeting, but his work was included in the presentation. Mr. Ravenelle stated the purpose of this presentation was to lay out the project from design through construction, based on numerous meetings with the WSA project workgroup. He stated this project has been in design for years; only the Longmeadow phase has been completed.

A full copy of the PowerPoint presentation is available in the Board meeting folder at WSA. Highlights of the presentation include the following information, as well as a project schedule and draft design and construction estimate:

"Why we need sewers

- *Failed cesspools and septic systems in the area*
- *Cesspools are no longer permitted*
- *Poor soil conditions and high ground water tables*
- *Small lot sizes typically ranging from 6,000 to 12,000 square feet*
- *Expensive to design, repair and/or replace the failed systems*
- *Located on Narragansett Bay*

Why the project has been delayed

- *Funding*
- *Preliminary archaeological studies indicate the existence of significant archaeological features.*

Archaeological Interpretation

- The Mill Cove Site is significant, and National Register eligible.
- It includes multiple features reflecting occupation and ceremony, including human burials (3).
- It could contain remnants of Pomham's Shawomet Village & King Philip's War Battle Site.

Recommendation:

Machine-assisted archaeological investigations to identify and document Native American features along the extent of sewer main as a planning element of the proposed sewer main line installation. "Anywhere we excavate for construction of the sewer mains, we need to investigate prior to putting a shovel in the ground."

Design Criteria and Assumptions

A Design Criteria was prepared based on design and construction assumptions discussed and developed during several meetings with the WSA, PAL, GRA, RIHPHC, EPA, and NITHPO.

- The project will be constructed in two Phases. Phase 1 will consist of constructing the mainline interceptor on Tidewater Drive. Phase 2 will consist of constructing the connecting lateral sewers to the mainline interceptor.
- The Tidewater Drive Interceptor Main will be a gravity sewer main and will be installed utilizing traditional cut and cover excavations.
- The lateral sewers will be low pressure sewer systems and will be installed utilizing trenchless technologies. Surface excavations will be limited to jacking and receiving pits.
- Service connections will be installed to within 5 feet of the dwelling foundations to minimize excavations by homeowners who could impact archaeological features.

Phase 1 will consist of designing and permitting the interceptor main along Tidewater Drive from Friendship Street to Arlington Avenue, a distance of approximately 4,000 feet.

Step 1 - Preliminary Design

- Re-evaluate Sewer Service Area
- Utility Research and Assessment
- Service Card Distribution
- Field Layout Interceptor Main
- Archaeological Investigation
- Subsurface Boring Exploration
- Design Report

Step 2 - Final Design

- Design Plans
- Project Specifications
- Utilities
- Permit Applications
- Engineer's Estimate
- Project Advertising and Bid

Step 3 - Construction

- Inspector Services
- Archeological Services
- Narragansett Indian Tribe Services

Phase 2 will consist of designing and permitting lateral pressure sewer connections for approximately 40 residential streets to the Tidewater Drive Interceptor Main.

Step 4 - Preliminary Design

- Utility Research and Assessment
- Service Card Distribution
- Field Layout Pressure Mains (Jacking and Receiving Pits)
- Archaeological Investigation
- Subsurface Boring Exploration
- Property Access Agreements

- *Design Report*

Step 5 - Final Design

- *Design Plans*
- *Project Specifications*
- *Utilities*
- *Permit Applications*
- *Engineer's Estimate*
- *Project Advertising and Bid*

Step 6 - Construction Inspection

- *Inspector Services*
- *Archeological Services*
- *Narragansett Indian Tribe Services*

Peter Ginaitt arrived at 6:40 p.m. Board members discussed project options and variables, and encouraged WSA and GRA staff to acquire a full understanding of the properties within the project area for assessment purposes, and to coordinate efforts with other utilities. Councilman Ladouceur asked about Narragansett Indian Tribe (NIT) involvement in the project, and discussed with the Board the property owners' overall cost for sewers. Director Burke stated the NIT would be involved in cultural resource monitoring; one of the NIT representatives involved is an archaeologist by trade. Mr. Ravenelle specified that fees for the NIT monitoring work are not included in the GRA cost estimate. He stated GRA and PAL will be preparing a scope of work for the NIT; NIT will prepare the cost estimate. Mr. Sylven and Chairman Guckian complimented Mr. Ravenelle on his preparedness and thoroughness in presenting the plan for construction in the project area.

- ii. Authorization to apply for a Certificate of Approval with RIDEM for the construction of a sewer main on a portion of Tidewater Drive in conjunction with the Department of Public Works paving project

ACTION: Director Burke stated the Department of Public Works is reconstructing the Mill Cove Bridge. She stated WSA would like to lay a sewer line from the bridge along Tidewater Drive to the Tidewater pumping station, and then collaborate on the paving to West Shore Road. She stated the section of sewer gravity line in the bridge has already been constructed. WSA has requested some funding for this project from RI Clean Water Finance. Mr. Ravenelle stated PAL has cleared the area for construction.

Mr. Ginaitt moved approval to authorize the application for a Certificate of Approval for this small project. Mr. Marino seconded the motion. Chairman Guckian, Messrs. Ginaitt, Sylven, Jarvis and Marino voted in favor of the motion. Motion approved.

- iii. Authorization for construction of sewer main from the Tidewater Drive pumping station to Friendship Street (Contract 86A)
D'Ambra Construction Co., Inc.: \$302,000.00 (est.)

ACTION: Director Burke is asking for permission to negotiate with D'Ambra Construction, under the existing Contract CC, for the

construction of the sewer line on this portion of Tidewater Drive. Mr. Sylven stated it's prudent to do this work now. The Board discussed options for sewer assessments to properties along Tidewater Drive that will have access to the extended sewer line.

Mr. Ginaitt moved approval to authorize the executive director to negotiate with D'Ambra Construction for the construction of this main sewer line at a cost not to exceed \$302,000.00. Mr. Sylven seconded the motion. Chairman Guckian, Messrs. Ginaitt, Sylven, Jarvis and Marino voted in favor of the motion. Motion approved.

b. Governor Francis Phase III Sewer Project

- i. Engineer's progress report: no written report available. Mr. Ravenelle stated they are working on an agreement with the property owner to purchase the pumping station lot; survey work will then be conducted.

c. O'Donnell Hill Sewer Project

- i. Engineer's progress report: written report submitted by Garofalo & Associates, Inc. Director Burke stated Garofalo is preparing to send surveys to property owners in the project area.

8. Billing Services Division

No items to consider.

9. Administrative Items

a. Fiscal Year 2015/2016 Draft Budget Proposal Review

Director Burke provided an overview of the draft FY16 budget document. She stated WSA's rate consultant, Dave Bebyn, will be at the next Board meeting to comment on his annual review of WSA rates. She stated a 2% rate increase is scheduled for FY2016. She stated she would like Mr. Bebyn to start on another 5-year rate study and a sewer assessment rate study as soon as possible.

b. Rate Study Review

c. Director's Report

- i. Financial Report
- ii. Administrative Schedule

Director Burke stated the budget account balances for this year look good.

d. Chairman's Report

Chairman Guckian stated he would like to see WSA work cooperatively with the Department of Public Works to make improvements to the stormwater drainage problem on Maintonomo Drive at John Brown Francis School.

Chairman Guckian reported the Sewer Review Commission has finalized its recommendations for changes to the WSA Enabling Legislation. Chairman Guckian stated he and Mr. Marino attended the Narragansett Water Pollution Control Association's Legislative Breakfast organized by Ms. Burke. He stated he would like WSA to meet with RIDEM and the new director of RIDOT on cooperative planning.

10. Consent Agenda – Correspondence

- a. Bertucci's correspondence to WSA Board (2-27-15)
- b. WSA to RICWFA: Request for SRF loan funds (3-2-15)
- c. RIEMA to WSA: HMGP DR-4027 Project Award Notice (3-2-15)
- d. RICWFA to WSA: \$3,500,000 Agency Administrative Loan (3-6-15)
- e. WSA to Warwick City Council: February 2015 financial report (3-2-15)
- f. RIDEM to WSA: Final Approval of IPP Request for Modification (3-16-15)

ACTION: Mr. Sylven moved to accept the consent agenda items. Mr. Ginaitt seconded the motion. Chairman Guckian, Messrs. Ginaitt, Sylven, Jarvis and Marino voted in favor of the motion. Motion approved.

11. New Business

Introduction of new business to be docketed for an upcoming meeting or to be referred to the executive director or legal counsel for comment.

No new business presented.

12. Old Business

- a. Modifications to Septage Hauling Regulations
- b. Bayside I-III Sewer Project: Amendment to GRA contract/design services
- c. Sewer Assessment Deferment Policy (6-27-13)
- d. Sewer Assessment Deferment: Plat 332 Lot 483 (11-20-13)
- e. Financial review of sewer assessment structure, examination of various methodologies, B & E Consulting, LLC: not to exceed \$6,800.00 (6-19-14)
- f. Project management for sewer construction (7-24-14)

ACTION: No action.

13. PUBLIC COMMENT PERIOD

Mr. Marino thanked Director Burke for her dedication to her profession, on all levels.

14. Adjournment

Mr. Ginaitt moved to adjourn the meeting. Mr. Jarvis seconded the motion. Chairman Guckian, Messrs. Ginaitt, Sylven, Jarvis and Marino voted in favor of the motion. Motion approved.

At 7:34 p.m. this meeting ended.

Gary C. Jarvis, WSA Secretary

Date of Approval

"Minutes are recorded pursuant to the Rhode Island General Laws § 42-46-7 for the purpose of capturing all general information relevant to the meeting. For a more comprehensive assessment of minutes, audio files shall be archived with the Warwick Sewer Authority and available upon request.